

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): ~~Ferritic-Ferromagnetic~~ stainless steel parts ~~which can be used for ferromagnetic parts, wherein the~~ made of a steel comprises, in its having the following composition by weight:

$$0\% < C \leq 0.030\%$$

$$1\% \leq Si \leq 3\%$$

$$0\% < Mn \leq 0.5\%$$

$$10\% \leq Cr \leq 13\%$$

$$0\% < Ni \leq 0.5\%$$

$$0\% < Mo \leq 3\%$$

$$N \leq 0.030\%$$

$$Cu \leq 0.5\%$$

$$Ti \leq 0.5\%$$

$$Nb \leq 1\%$$

$$Ca \geq 1 \times 10^{-4}\%$$

$$0 \geq 10 \times 10^{-4}\%$$

$$Ca \geq 1 \times 10^{-4}\%$$

$$0 \geq 10 \times 10^{-4}\%$$

$$S \leq 0.030\%$$

$$P \leq 0.030\%$$

the remainder being iron and the impurities which are inevitable from the production of the steel.

2. (currently amended): ~~Steel~~The parts according to Claim 1, wherein the composition by weight also includes calcium and oxygen so that:

$$\text{Ca} > \cancel{30} 10^{-4}\%$$

$$\text{O} > \cancel{70} 10^{-4}\%$$

$$\text{Ca} > 30 \times 10^{-4}\%$$

$$\text{O} > 70 \times 10^{-4}\%$$

3. (currently amended): ~~Steel~~The parts according to Claim 1, wherein the ratio between the calcium and oxygen content Ca/O is:

$$0.2 \leq \text{Ca/O} \leq 0.6$$

4. (currently amended): ~~Steel~~The parts according to Claim 1, wherein ~~it~~the steel includes silico-aluminate of lime inclusions taken from the group consisting of the anorthite, pseudo-wollastonite and gehlenite type.

5. (currently amended): ~~Steel~~The parts according to Claim 1, wherein ~~it~~the steel comprises, in its composition by weight:

$$\text{C} \leq \cancel{0.012}\%$$

$$\text{C} \leq 0.015\%$$

$$1\% \leq \text{Si} \leq 3\%$$

$$0 \leq \text{Mn} \leq 0.4\%$$

$$10\% \leq \text{Cr} \leq 13\%$$

$$0\% < \text{Ni} \leq 0.2\%$$

$$0.2\% \leq \text{Mo} \leq 2\%$$

$$\text{N} \leq 0.015\%$$

$$\text{Cu} \leq 0.2\%$$

$$\text{Ti} \leq 0.2\%$$

$$\text{Nb} \leq 1\%$$

$$\text{Ca} \geq 30 \cdot 10^{-4}\%$$

$$\text{Ca} \geq 30 \times 10^{-4}\%$$

$$\text{O} \geq 70 \cdot 10^{-4}\%$$

$$\text{O} \geq 70 \times 10^{-4}\%$$

$$\text{S} \leq 0.003\%$$

$$\text{P} \leq 0.030\%$$

the remainder being iron and the impurities which are inevitable from the production.

6. (currently amended): ~~Steel~~ The parts according to Claim 1, wherein ~~it~~ the steel comprises, in its composition by weight:

$$\text{0\%} < \text{C} \leq 0.012\%$$

$$\text{0\%} < \text{C} \leq 0.015\%$$

$$1\% \leq \text{Si} \leq 3\%$$

$$0 \leq \text{Mn} \leq 0.4\%$$

$$10\% \leq \text{Cr} \leq 13\%$$

$$0\% < \text{Ni} \leq 0.2\%$$

$$0.2\% \leq \text{Mo} \leq 2\%$$

$$\text{N} \leq 0.015\%$$

$$\text{Cu} \leq 0.2\%$$

$$\text{Ti} \leq 0.2\%$$

$$\text{Nb} \leq 1\%$$

$$\text{Ca} \geq 30 \cdot 10^{-4}\%$$

$$\text{O} \geq 70 \cdot 10^{-4}\%$$

$$\text{Ca} \geq 30 \times 10^{-4}\%$$

$$\text{O} \geq 70 \times 10^{-4}\%$$

AMENDMENT UNDER 37 C.F.R. § 1.111  
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$$0.015 \leq S \leq 0.03\%$$

$$P \leq 0.030\%$$

the remainder being iron and the impurities which are inevitable from the production of the steel.

7. (currently amended): A method of producing a ferritic stainless steel ~~ferritic-stainless steel~~ which can be used for ferromagnetic parts, wherein the steel comprises, in its composition by weight:

$$0\% < C \leq 0.030\%$$

$$1\% \leq Si \leq 3\%$$

$$0\% < Mn \leq 0.5\%$$

$$10\% \leq Cr \leq 13\%$$

$$0\% < Ni \leq 0.5\%$$

$$0\% < Mo \leq 3\%$$

$$N \leq 0.030\%$$

$$Cu \leq 0.5\%$$

$$Ti \leq 0.5\%$$

$$Nb \leq 1\%$$

$$Ca \geq 1 \cdot 10^{-4}\%$$

$$0 \geq 10 \cdot 10^{-4}\%$$

$$Ca \geq 1 \times 10^{-4}\%$$

$$0 \geq 10 \times 10^{-4}\%$$

$$S \leq 0.030\%$$

$$P \leq 0.030\%$$

the remainder being iron and the impurities which are inevitable from the production of the steel;  
the method comprising subjecting the steel, after hot rolling and cooling, to an annealing heat

treatment and then to a modification of cross-section by the method taken from the group of drawing and stretch forming.

8. (currently amended): ~~A~~The method according to Claim 7, wherein the steel is subsequently subjected to an additional recrystallisation annealing in order to perfect the mechanical properties of the ~~part~~parts.